

DRAFT

**STORMWATER ADVISORY BOARD
REGULAR MEETING
WEDNESDAY, FEBRUARY 20, 2020**

DRAFT

Members Present: D.J. Señeres, Stormwater Program Manager; Board Members, Lisa Chadwell, Stormwater Advisory Board Chair, Vicki Fletcher, Stormwater Advisory Board, Tommy Hazlewood, Stormwater Advisory Board, Donna Osborne, Stormwater Advisory Board, Bradley Aquilin, Stormwater Advisory Board

Others Present: None

Item 1. Call to Order.

Lisa Chadwell called the meeting to order.

Item 2. Acceptance of Minutes from February 13, 2019, May 15, 2019, and August 14, 2019.

Mr. D. J. Señeres presented a copy of the February 13, 2019, May 15, 2019, August 14, 2019, and November 13, 2019 minutes for approval. Donna Osborne made a motion to approve the minutes. Tommy Hazelwood seconded the motion and the motion was approved unanimously.

Item 3. Notices, Petitions, People to be Heard.

None.

Item 4. Update on ACE Integrated Stormwater Management Program

Lisa Chadwell asked Mr. D. J. Señeres to provide an update. Mr. Señeres provided general update indicating that the audit requested in 2018 was conducted on December 17, 2019 by the team of Brandon L. Wise, Kim Turney, and Zac Lentz out of the Regional Office – Winston-Salem assigned from the Division of Energy, Mineral, and Land Resources (DEMLR), Department of Environmental Quality. During the audit, the City of Archdale submitted a 1640 page document entitled 2020 Unannounced Compliance Audit Documentation which is currently on the order of 1700 pages. Discussed some of the metrics i.e., in December 1970, the EPA was authorized by President Nixon with a 1.4B budget and 5,800 employees, today, the budget is 8.1B with 14,172 employees; in effect the miles of streams is still on the order of 325.72 million miles. [Actual dates July 9, 1970 and December 2, 1970] State of North Carolina, 40,000 miles with a proposed budget to DEQ of \$193,918.082 or \$4,847.95 per jurisdictional waterway mile. In 1970, the expenditure was on the order of \$4.2981 per jurisdictional waterway mile; In 2020, the expenditure is \$24.8679 per mile to basically apply the 6 minimum measures across the United States. In Archdale, the current expenditure in our jurisdiction is \$155,675.91 per mile. Our current

cumulative since inception has been \$848,896.4346 per mile over the last 13 years. Therefore, City of Archdale is at \$160,548.73 where 3.03% is administrative and directives from the Federal Government and State Government. In addition, the City of Archdale has not received results of the audit. Related to our annual report submitted in September 9, 2019, we received notification from the Department of Energy, Mineral, and Land Resources on January 27, 2020 that the 2-page Annual report submission meets permit requirements but that it did not indicate overall program compliance with MS4 Permit.

Item 6. Additional Items

Mr. D. J. Señeres indicated that Ms. Vicki Fletcher and Mr. Tommy Hazelwood have completed the 3-Year appointment. Due to the recent appointment of board members on January 28, 2020, a modified appointment was discussed. Both Ms. Vicki Fletcher and Mr. Tommy Hazelwood agreed to the 1-Year term with a subsequent reappointment to be considered in February 2021. Vicki Fletcher made a motion to approve the modified term limit to maintain the staggered nature of rotation of board members. Donna Osborne seconded the motion and the motion was approved unanimously.

Mr. D. J. Señeres then addressed Ms. Chandra Sookdeo's property at 141 Dove Meadows Drive. Ms. Sookdeo addressed the City Council on January 28, 2020 indicating that her property flooded everytime it rained. Since the addressing of council, we have had the opportunity to observe specific rain events with rain data acquired from an hourly tipping device at the regional airport. Mr. Señeres indicated that the gage stations around the jurisdiction form a triangle and in conjunction with construction site rain gages, quantitative data can be reviewed. The photographs provided with rain gage data as well as visual observations provide a general assessment. Ms. Donna Osborne inquired as to how long the water stayed in the yard. Mr. Señeres indicated that initial cresting levels were gone within a couple of hours after the rain event ceased. Lingering bird paths of various sizes remained primarily at the low spot in the front yard and driveway which were depicted on additional photographs provided. Board Member Lisa Chadwell showed a video of the area behind her home on Renola Drive and confirmed that although levels rose, no water entered the house. Although a lengthy discussion continued about private property improvements in low lying areas, Mr. D. J. Señeres suggested that between now and the next regularly scheduled Board Meeting, members drive around the city during rain events to assess how low lying private property react during different event magnitudes.

Item 7. Adjournment.

Vickie Fletcher made a motion to adjourn. Tommy Hazelwood seconded the motion and the motion was approved unanimously. Mr. D. J. Señeres thanked the new board members and existing members for serving on the board as well as providing insight concerning our continued application of the ACE Integrated Stormwater Management

and furthering education efforts related to the 6 Minimum Measures required by our NCS000434 Permit. In addition, Board Member Donna Osborne had turned in the IDDE A Grate Concern Illicit Discharge Detection & Elimination and Rain Check Stormwater Pollution Prevention for MS4's flash drives. Both were then checked out by Board Member Bradley Aquilin

Lisa Chadwell adjourned the Wednesday, February 20, 2019 Regular Stormwater Advisory Board meeting.

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
S. DANIEL SMITH
Director



January 27, 2020

Mr. D.J. Señeres
City of Archdale
Via Email Only

**Subject: FY 2018-2019 Annual Report
Stormwater Permit No. NCS000434
Randolph County**

Dear Mr. Señeres:

DEQ received the required Annual Report for the subject permit on September 9, 2019. Staff have reviewed the report and offer the following comments:

Submission meets permit requirements: ☒ Yes ☐ No
Program changes requested: ☐ Yes ☒ No
Requested program changes are: ☐ Approved ☐ Denied ☒ N/A

Comments: Thank you for your submission. Please note this letter does not indicate overall program compliance with the MS4 permit.

If you have any questions concerning this matter please contact Jeanette Powell, MS4 Program Coordinator, at (919) 707-3620 or jeanette.powell@ncdenr.gov.

Sincerely,

Alaina Morman

Cc: DEMLR Winston-Salem Regional Office
MS4 Permit Laserfiche File



North Carolina Department of Environmental Quality | Division of Energy, Mineral and Land Resources
512 North Salisbury Street | 1612 Mail Service Center | Raleigh, North Carolina 27699-1612
919.707.9200



CITY OF ARCHDALE

CITY COUNCIL

MEETING DATE: Tuesday February 25, 2020

SUBJECT: Reappointment of Vicki Fletcher and Tommy Hazelwood to the Stormwater Advisory Board for a 1-Year Term.

RECOMMENDATIONS OR COMMENTS: Ms. Fletcher and Mr. Hazelwood are completing a 3-Year Term serving on the Stormwater Advisory Board. Due to the recent appointment of new members in January 2020, a standard reappointment of a 3-Year Term would potentially have four members leaving the board at the same time. To maintain the staggered nature of appointments, the reappointment term was considered for Vicki Fletcher of 119 Renola Drive and Tommy Hazelwood of 3901 Cheyenne Drive to serve on the Stormwater Advisory Board. Ms. Fletcher will fill a residential position while Mr. Hazelwood will fill a business entity position. The term will expire in February 2021.

SUMMARY OF INFORMATION: Stormwater Advisory Board Appointment

ATTACHMENTS: ☐ YES ☒ NO



CITY OF ARCHDALE

CITY COUNCIL

MEETING DATE: Tuesday January 28, 2020

SUBJECT: Appointment of Donna Osborne and Brad Acquilin to the Stormwater Advisory Board for a 3-Year Term.

RECOMMENDATIONS OR COMMENTS: The City has received an application from Donna M. Osborne of 320 Wynnewood Drive and Mr. Brad Acqueline of Delligatti's McDonald's to serve on the Stormwater Advisory Board. Ms. Osborne will fill a residential position while Mr. Acquilin will fill a business entity position. The term will expire in January 2023.

SUMMARY OF INFORMATION: Stormwater Advisory Board Appointment

ATTACHMENTS: ☐ YES ☒ NO



02/04/2020 00:54 ^H		02/05/2020 21:54 ^H	
02/04/2020 01:54 ^H		02/05/2020 22:54 ^H	
02/04/2020 02:54 ^H		02/05/2020 23:54 ^H	0.02 ^{QC:TBD}
02/04/2020 03:54 ^H		02/06/2020 00:54 ^H	0.03 ^{QC:TBD}
02/04/2020 04:54 ^H		02/06/2020 01:54 ^H	0.03 ^{QC:TBD}
02/04/2020 05:54 ^H		02/06/2020 02:54 ^H	0.09 ^{QC:TBD}
02/04/2020 06:54 ^H		02/06/2020 03:54 ^H	0.17 ^{QC:TBD}
02/04/2020 07:54 ^H		02/06/2020 04:54 ^H	0.21 ^{QC:TBD}
02/04/2020 08:54 ^H		02/06/2020 05:54 ^H	0.12 ^{QC:TBD}
02/04/2020 09:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 06:54 ^H	0.08 ^{QC:TBD}
02/04/2020 10:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 07:54 ^H	0.15 ^{QC:TBD}
02/04/2020 11:54 ^H		02/06/2020 08:54 ^H	0.31 ^{QC:TBD}
02/04/2020 12:54 ^H		02/06/2020 09:54 ^H	0.28 ^{QC:TBD}
02/04/2020 13:54 ^H		02/06/2020 10:54 ^H	0.08 ^{QC:TBD}
02/04/2020 14:54 ^H		02/06/2020 11:54 ^H	0.19 ^{QC:TBD}
02/04/2020 15:54 ^H		02/06/2020 12:54 ^H	0.41 ^{QC:TBD}
02/04/2020 16:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 13:54 ^H	0.29 ^{QC:TBD}
02/04/2020 17:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 14:54 ^H	0.16 ^{QC:TBD}
02/04/2020 18:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 15:54 ^H	0.22 ^{QC:TBD}
02/04/2020 19:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 16:54 ^H	0.32 ^{QC:TBD}
02/04/2020 20:54 ^H	0.0001 ^{QC:TBD}	02/06/2020 17:54 ^H	0.14 ^{QC:TBD}
02/04/2020 21:54 ^H		02/06/2020 18:54 ^H	0.12 ^{QC:TBD}
02/04/2020 22:54 ^H		02/06/2020 19:54 ^H	0.11 ^{QC:TBD}
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02/05/2020 03:54 ^H		02/06/2020 23:54 ^H	0.05 ^{QC:TBD}
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02/05/2020 12:54 ^H	0.0001 ^{QC:TBD}	Sum	4.08
02/05/2020 13:54 ^H	0.04 ^{QC:TBD}	Average $1/n \sum a_i$	0.1
02/05/2020 14:54 ^H	0.04 ^{QC:TBD}	Mean $(max+min)/2$	0.2
02/05/2020 15:54 ^H	0.05 ^{QC:TBD}	High	0.4
02/05/2020 16:54 ^H		Low	0
02/05/2020 17:54 ^H	0.0001 ^{QC:TBD}		
02/05/2020 18:54 ^H	0.01 ^{QC:TBD}		
02/05/2020 19:54 ^H			
02/05/2020 20:54 ^H			



Station Details

Station: KGSO - Greensboro Airport Date of first observation: July 1, 1948
 Station type: ASOS - Standard
 City, State: Greensboro, NC County: Guilford County
 Latitude: 36.0977469° Longitude: -79.9372975°
 Elevation: 926 feet above sea level
 Climate division: NC03 - Northern Piedmont
 River basin: Haw
 Supported by: NOAA National Weather Service

This page is created dynamically and should not be bookmarked. Instead, bookmark the page preceeding this.

Retrieving hourly data from Greensboro Airport for past 1 day(s)

39 observations for this period of record (97.5% data available; 1 missing records)

If you need more historical data from a larger period of record, please contact us for assistance

What is This? Date/Time of Hourly Precipitation

(Eastern Standard Time) at 2m (in)

02/10/2020 00:54 H		02/11/2020 04:54 H	0.03QC:TBD
02/10/2020 01:54 H		02/11/2020 05:54 H	0.02QC:TBD
02/10/2020 02:54 H		02/11/2020 06:54 H	0.11QC:TBD
02/10/2020 03:54 H		02/11/2020 07:54 H	0.2QC:TBD
02/10/2020 04:54 H		02/11/2020 08:54 H	0.16QC:TBD
02/10/2020 05:54 H		02/11/2020 09:54 H	0.07QC:TBD
02/10/2020 06:54 H		02/11/2020 10:54 H	0.1QC:TBD
02/10/2020 07:54 H		02/11/2020 11:54 H	0.03QC:TBD
02/10/2020 08:54 H		02/11/2020 12:54 H	0.01QC:TBD
02/10/2020 09:54 H		02/11/2020 13:54 H	0.0001QC:TBD
02/10/2020 10:54 H		02/11/2020 14:54 H	0.12QC:TBD
02/10/2020 11:54 H		Sum	1.04
02/10/2020 12:54 H		Average $1/n \sum a_i$	0
02/10/2020 13:54 H	0.0001QC:TBD	Mean (max+min)/2	0.1
02/10/2020 14:54 H	0.02QC:TBD	High	0.2
02/10/2020 15:54 H	0.02QC:TBD	Low	0
02/10/2020 16:54 H	0.03QC:TBD		
02/10/2020 17:54 H	0.02QC:TBD		
02/10/2020 18:54 H	0.03QC:TBD	Quality Control flags that may appear above	
02/10/2020 19:54 H	0.01QC:TBD	QCTBD	25 Not yet
02/10/2020 20:54 H	0.0001QC:TBD	QC0	0 QC Scor
02/10/2020 21:54 H	0.02QC:TBD	QC1	0 QC Scor
02/10/2020 22:54 H	0.02QC:TBD	QC2	0 QC Scor
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02/11/2020 00:54 H			
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What is Th Hourly Precipitation
(Eastern St at 2m (in)

02/12/2020 00:54 H	
02/12/2020 01:54 H	
02/12/2020 02:54 H	02/13/2020 04:54 H
02/12/2020 03:54 H	02/13/202 0.03QC:TBD
02/12/2020 04:54 H	02/13/202 0.07QC:TBD
02/12/2020 05:54 H	02/13/202 0.2QC:TBD
02/12/2020 06:54 H	02/13/202 0.14QC:TBD
02/12/2020 07:54 H	Sum 0.44
02/12/2020 08:54 H	Average 1/ 0
02/12/2020 09:54 H	Mean (ma 0.1
02/12/2020 10:54 H	High 0.2
02/12/2020 11:54 H	Low 0
02/12/2020 12:54 H	
02/12/2020 13:54 H	
02/12/2020 14:54 H	Quality Control flags that may appear above
02/12/2020 15:54 H	QCTBD 13 Not yet quality checked
02/12/2020 16:54 H	QC0 0 QC Score indicates good data
02/12/2020 17:54 H	QC1 0 QC Score indicates likely good d
02/12/2020 18:54 H	QC2 0 QC Score indicates likely bad da
02/12/202 0.0001QC:TBD	QC3 0 QC Score indicates bad data
02/12/202 0.0001QC:TBD	
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